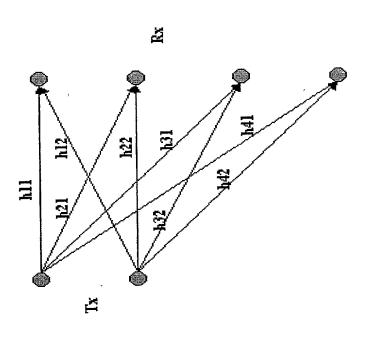
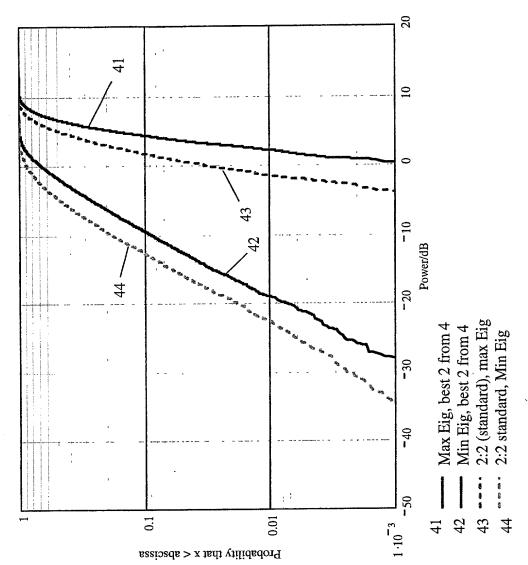


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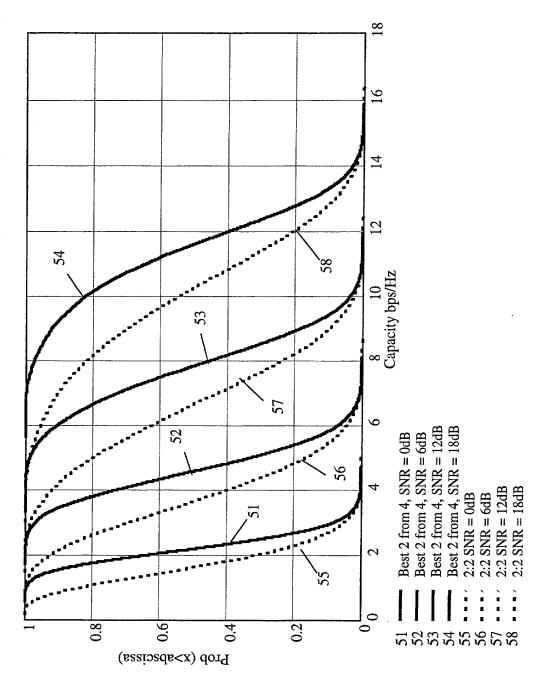
## FIGURE 1



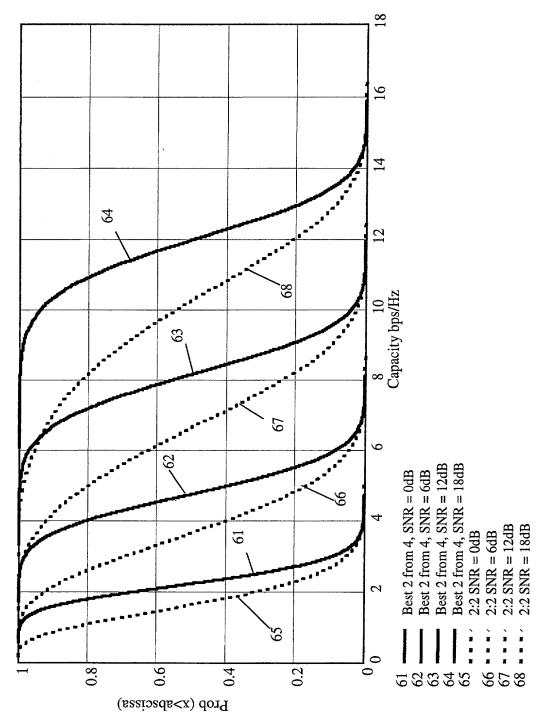
MIMO configuration with 2 Node B antennas and 4 UE antennas



Comparison of eigenvalues for standard 2:2 MIMO and eigenvalue selection diversity (best 2 from 4) using the maximum sum of eigenvalues as the selection metric.

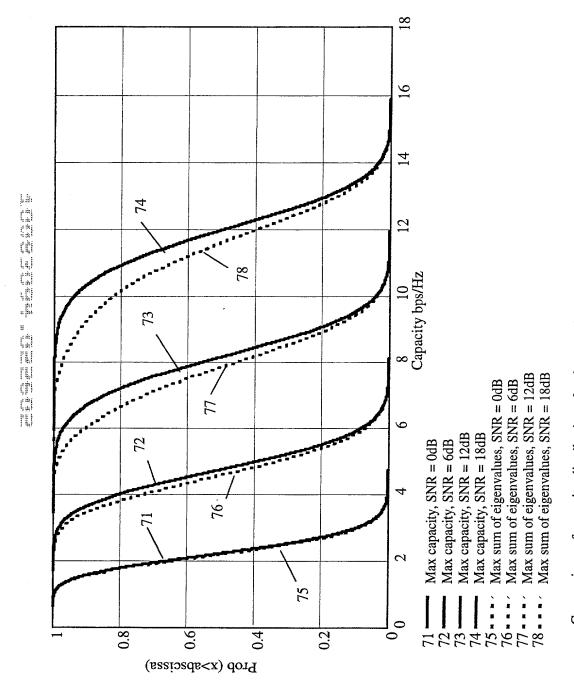


Comarison of capacity distributions for standard 2:2 MIMO and eigenvalue selection diversity (best 2 from 4) using the maximum sum of eigenvalues as the selection metric.



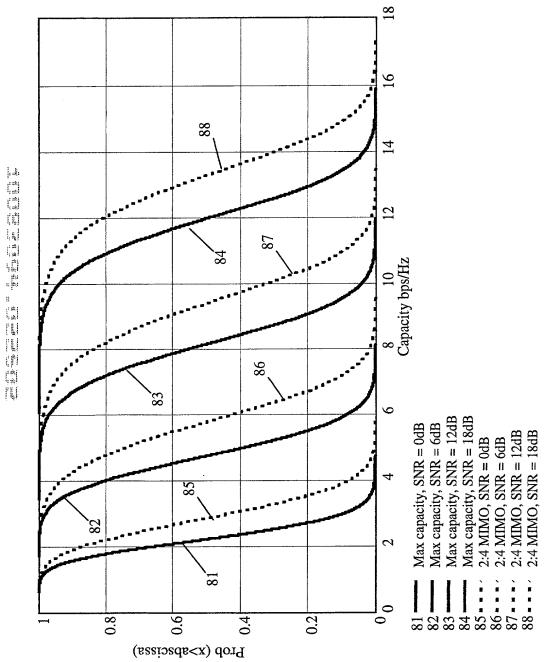
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Comparison of capacity distrbutions for standard 2:2 MIMO and eigenvalue selection diversity (best 2 from 4) using the maximum instantaneous link capacity as the selection metric.

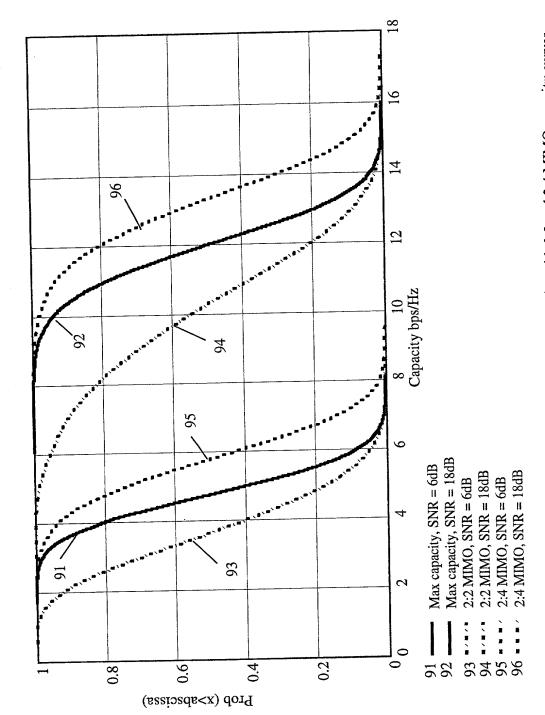


Comparison of capacity distributions for the two eigenvalue selection diversity schemes

Figure 7

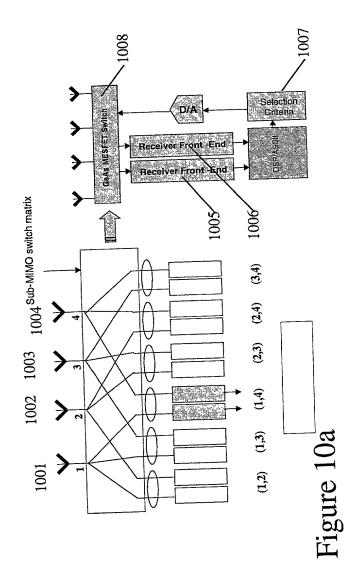


Comparison of 'maximum capacity' eigenvalue selection diversity and standard 2:4 MIMO capacity distributions.



Comparison of maximum capacity eigenvalue selection diversity with 2:2 and 2:4 MIMO capacity curves

Figure 9



19.1

Figure 10b

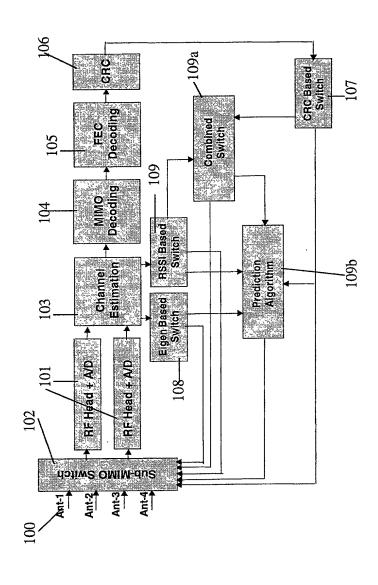


Figure 10c

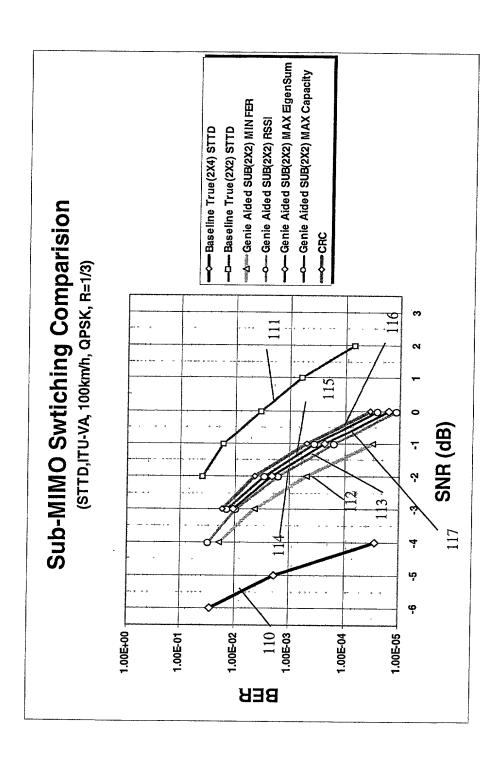


Figure 11

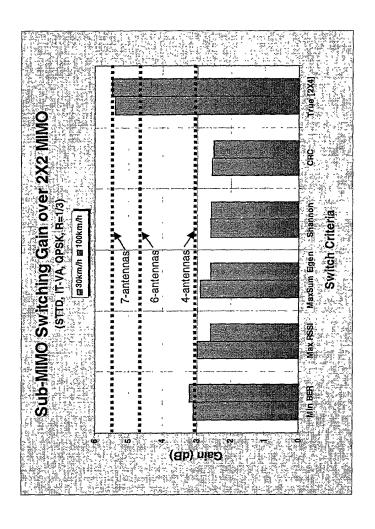


Figure 12

10 11 11 11

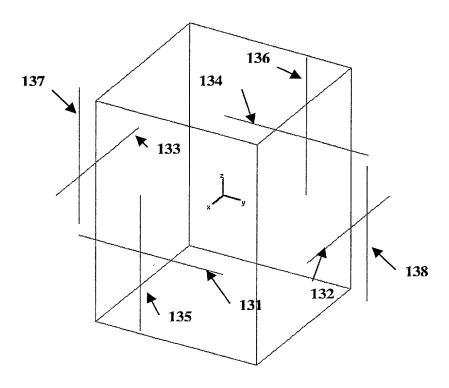


Figure 13

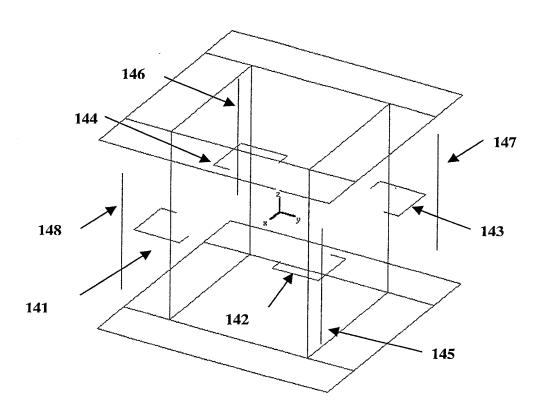


Figure 14

	Configuration 1	ration 1	Configuration 2		
Average signal level (dB)	180°	4.6	180°	3.9	
	.06	6.7	06	8.4	
Signal level spread (dB)	180°	1.4	180°	1.5	
	.06	0.5	.06	0.3	
Average standard deviation (dB)	180°	4.1	180°	1.7	
	.06	1.4	.06	0.4	
Lowest maximum achievable diversity gain (dB) (unit 0° orientation)	11.5		15		
Lowest maximum achievable diversity gain (dB) (unit 45° orientation)	14.5		14		

Figure 15

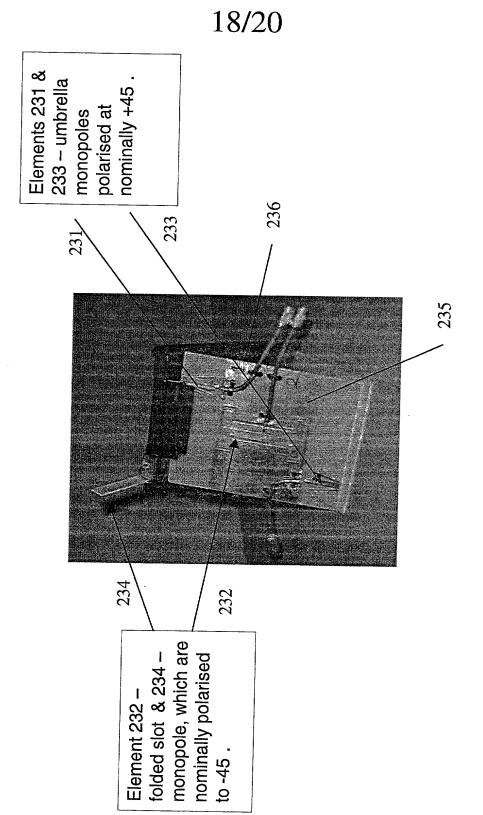


FIGURE 16

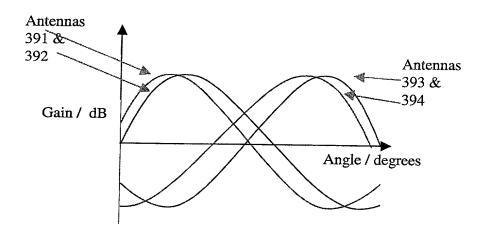


Figure 17

